



Dolan Chemical Laboratory
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Water Analysis

Location: Mountaineer Plant

Report Date: 3/5/2012

CPS Effluent

Sample Number: 120833-001

Date Collected: 02/22/2012 07:45

Date Received: 2/22/2012

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Ammonia, NH ₃ , as N	4.00	mg/L		0.05	0.01	DMM	02/27/2012	EPA 350.1
Alkalinity, as CaCO ₃	228	mg/L		5	1	WKE	02/23/2012	SM20 2320B
Chemical Oxygen Demand, COD	48.8	mg/L		5	1	WKE	02/24/2012	SM20 5220D
Nitrate, NO ₃ as N	19.9	mg/L		6	1	KLG	02/23/2012	EPA 300.1
Orthophosphate, PO ₄ as P	< 5.00	mg/L	U	20	5	KLG	02/23/2012	EPA 300.1

Leachate Effluent

Sample Number: 120833-002

Date Collected: 02/22/2012 07:45

Date Received: 2/22/2012

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Ammonia, NH ₃ , as N	4.05	mg/L		0.05	0.01	DMM	02/27/2012	EPA 350.1
Alkalinity, as CaCO ₃	550	mg/L		5	1	WKE	02/23/2012	SM20 2320B
Chemical Oxygen Demand, COD	27.1	mg/L		5	1	WKE	02/24/2012	SM20 5220D
Nitrate, NO ₃ as N	9.05	mg/L		6	1	KLG	02/23/2012	EPA 300.1
Orthophosphate, PO ₄ as P	< 5.00	mg/L	U	20	5	KLG	02/23/2012	EPA 300.1

1st Stage Feed

Sample Number: 120833-003

Date Collected: 02/22/2012 07:45

Date Received: 2/22/2012

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Selenium, Se	404	ug/L		0.5	0.1	DPC	03/01/2012 11:23	EPA 200.8
Ammonia, NH ₃ , as N	3.77	mg/L		0.05	0.01	DMM	02/27/2012	EPA 350.1
Alkalinity, as CaCO ₃	129	mg/L		5	1	WKE	02/23/2012	SM20 2320B
Chemical Oxygen Demand, COD	26.8	mg/L		5	1	WKE	02/24/2012	SM20 5220D
Nitrate, NO ₃ as N	14.2	mg/L		6	1	KLG	02/23/2012	EPA 300.1
Orthophosphate, PO ₄ as P	< 5.00	mg/L	U	20	5	KLG	02/23/2012	EPA 300.1

2nd Stage Feed**Sample Number: 120833-004****Date Collected: 02/22/2012 07:45****Date Received: 2/22/2012**

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Selenium, Se	37.9	ug/L		0.5	0.1	DPC	03/01/2012 11:37	EPA 200.8
Ammonia, NH ₃ , as N	4.43	mg/L		0.05	0.01	DMM	02/27/2012	EPA 350.1
Alkalinity, as CaCO ₃	171	mg/L		5	1	WKE	02/23/2012	SM20 2320B
Chemical Oxygen Demand, COD	30.9	mg/L		5	1	WKE	02/24/2012	SM20 5220D
Nitrate, NO ₃ as N	< 1.00	mg/L	U	6	1	KLK	02/23/2012	EPA 300.1
Orthophosphate, PO ₄ as P	< 5.00	mg/L	U	20	5	KLK	02/23/2012	EPA 300.1

Bioreactor Effluent**Sample Number: 120833-005****Date Collected: 02/22/2012 07:45****Date Received: 2/22/2012**

Parameter	Result	Units	Data Qual	RL	MDL	Analysis By	Analysis Date/Time	Method
Selenium, Se	320	ug/L		0.5	0.1	DPC	03/01/2012 12:25	EPA 200.8
Ammonia, NH ₃ , as N	3.69	mg/L		0.05	0.01	DMM	02/27/2012	EPA 350.1
Alkalinity, as CaCO ₃	475	mg/L		5	1	WKE	02/23/2012	SM20 2320B
Chemical Oxygen Demand, COD	28.3	mg/L		5	1	WKE	02/24/2012	SM20 5220D
Nitrate, NO ₃ as N	16.9	mg/L		6	1	KLK	02/23/2012	EPA 300.1
Orthophosphate, PO ₄ as P	< 5.00	mg/L	U	20	5	KLK	02/23/2012	EPA 300.1

U: Analyte was analyzed and not detected at or above adjusted Method Detection Limit

J: Analyte was positively identified, though the quantitation was below Reporting Limit.

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